

II. *Some farther Account of divers Rare Plants, lately observed in several Curious Gardens about London, and particularly in the Company of Apothecaries Physick-Garden at Chelsey. By Mr. James Petiver, F. R. S.*

SECT. III. ASIATICK and Oriental Plants.

INDIAN
Plants.

58

L *Arge-flowered Oriental Bawm.* *Moldavica Orientalis* *Betonica* folio, flore magno violaceo *Tournef.* Coral. p. xi. *Ray* 3. app. 106. pl. 36. This differs from the next, in having large blew Sage-like *Flowers*; its bearded *Leaves* less, but more prickley.

59

Small-flowered Oriental Bawm. *Moldavica Orientalis minima*, *Ocimj* folio, flore purpurascente *Tourn.* Coral. 11. *Commel.* rar. Plant. Vol. 2. p. 29. Fig. *Ray* 3. ap. 106. 38. This is known from the last, in having smaller *Flowers*, yet larger and round bearded *Leaves*.

60

Jagged Oriental Figwort. *Serophularia Orientalis* supina, folio variè lacerato *Nobis*. This branches and spreads much near the Ground; its *Leaves* thick and differently cut; the *Flowers* and *Seed-Vessels* like the *Common*, but less; neither grows it upright and spiked, but procumbent and racemose.

61

Rough huskt Oriental Campion. *Lychnis Orientalis* fl. albente, bifido, calycibus pulchrè rugosis *Nobis*. The *Leaves* not unlike our common white *Campion*, but less; its *Flowers* white above, and underneath of a palish green, deeply cut in. These are set in a fine streakt *Husk*, roughest near the Flower, which swell into a rugged *Seed-Vessel*. This and the last, two elegant Plants, I saw

in *Flower* about the beginning of *October* 1710. in her *Grace* the *Dutchess* of *Beaufort's* Garden at *Chelsey*.

China Schunda, ot *Thorney* Nightshade. *Schunda Chinenfis* fol. pannoso minore *Nobis*. *Solanum incanum Chinenfe*, minus spinosum, floribus parvis ferè umbellatis *Pluk. Tab. 62. fig. 1. Ray 3. p. 352. 14.* Its small thick woolly *Leaves* very little thorney or waved, distinguish it from others. I first received this from *China*, and communicated it to *Dr. Plukenet*: It *Flowers* and *Fruits* every Year in *Fulham* and *Chelsey* Gardens.

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China Sumach. *Rhus Chinenfis* latifolia, pinnis alatis *Nobis*. *Rhus quinquefolia* Sinarum lactescens, rachi medio alata, folijs molli hirsutis pubescentibus *Plukenet. Amalth. 138. pl. 5.* These *Leaves* resemble our *Ash*, but are broader and deeper serrated, very soft underneath; Each *Stalk* is composed of three or four *Wings*, oftner than two; the *Stalk* welted, but more eminently towards the tip *Leaf*. Mr *James Cunningham*, a very Curious *Naturalist* and *Surgeon*, brought me large Specimens of this with ripe *Berries* on it from *China*, which I gave to the Right Reverend my Lord Bishop of *London*, who has raised several small Trees from them, and with whom they now grow.

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Chusan Musk-Mallow. *Abelmosch Chusanensis* folio palmato lævi, fructu piloso *Hort. nostr. sicc. Ray 3. App. 241. pl. 1. Alcea Sinica* Manihot stellato folio, capsulâ longâ, pilosâ, pyramidatâ, quinquefariam divisâ *Pluk. Tab. 355. fig. 2. Tchu wei* Chinenfis. Mr *James Cunningham* brought me this in Seed from *Chusan*, which grew the last Summer in *Chelsey* Garden.

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SECT. IV. *Canary* Plants.

CANARY *Dafie Pelitory*. *Ray 3: p. 221. 22. & p. 223 14.*
Pyrethrum Canariense frutescens, *Bellidis* flore *Nobis*. *Bellis Canar.* frutescens folijs crassis, *Pyrethri* sapore.

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 CANARY
 Plants.

M m m

Ray

Ray 3. p. 221. pl. 22. *Bellis Canar.* frutesc. acris. laciniato crasso folio *Flor. Noriberg.* 60. *Bupthalmum Canariense* *Leucanthemum Colulæ fatidæ* folijs crassioribus, radice acri sapore & fervido *Pluk. Tab.* 272. fig. 6. *Almag. Botan.* 73. *Chamæmelum Canariense* ceratophyllon fruticosus, glauco folio crassiore, sapore fervido, *Magala* ab incolis nominatum *Bobart Hist. Oxon.* p. 35. 7. These *Leaves* taste very like the *Root of Pellitory of Spain*, by which and its being frutescent, distinguishes it from others; its ever green, and in *Flower* most part of the Year. Grows in all the Curious Gardens about *London*, as *Hampton Court*, *Fulham*, *Chelsey*, and *Hoxton*; as also with *Dr. Uuedale* at *Enfield*, and *Mr. Charles Dubois* at *Mitcham*.

66

Trifoliate Canary Mint. Ray V. 3. p. 308. 5. *Mentha trifoliata Canariensis* fragrantissima *Nobis.* *Camphorosma trifoliata*, fl. carneo *Bobart H. Oxon.* 366. c. x. *Sex.* xi. *Tab.* xi. *Fig. ult.* *Permenta de Tana Canariensis.* *Cedronella Canariensis* viscosa, folijs plerunque ex eodem pediculo ternis *Hort. Amst.* Vol. 2. *Tab.* 41. p. 81. *Dracocephalo* affinis *Americana*, trifoliata, *Terebinthine* odore *Flor. Noriberg.* 145. *Fig. opt. & descr.* *Melissa Canarina* multifido folio spicata, odorem *Camphoræ* spirans penetratissimum *Mantiss.* 128. 1. *Melissa* fortè *Canarina* triphyllos, odorem *Camphoræ* spirans penetrantissimam *Pluk. Tab.* 325. *Fig.* 5. & *Tab.* 430. *Fig.* 2. *Moldavica Americana* trifolia, odore gravi *Inst. Rei Herb.* 184. Its *Trefoil Leaves* and fragrant smell, distinguish it from all others.

67

Evergreen Canary Bindweed, with hoary *Leaves* Ray 3. p. 377. pl. 63. *Convolvulus Canariensis* longioribus folijs mollibus & incanis *Pluk. Tab.* 325. *Fig.* 1. *Almag. Botan.* 114. pl. 8. *Convolvulus Canariensis* sempervirens, folijs mollibus & incanis, floribus ex albo purpurascens *Hort. Amstel.* Vol. 2. p. 101. *Tab.* 51. *Ahilo* porro *Salvages Canariensis.* Its *Evergreen* and perennial, with long cordated hoary *Leaves* and pale bluish *Flowers*.

Yellow

Yellow Canary Cytisus, with hoary Leaves. Ray 3. p. 471. 5. *Cytisus Canariensis* folijs parvis incanis *Nobis*. *Cytisus Canariensis* microphyllus, angustifolius prorsus incanus. *Pluk.* Tab. 277. Fig. 5. *Esta Insularis*. This is an elegant Shrub, with whitish hoary Leaves. It Flowers and Pods every Summer in the Bishop of London's Garden at *Fulham*.

SECT. V. Plants from the Cape of Good Hope.

Narrow-leaved Cape yellow Heads. Ray V. 3. p. 152. ⁶⁹ *CAPE* 12 & p. 170. 15. & an 174. pl. 5 ? *Coma aurea* *Plants*. *Africana* frutescens, folio angusto *Linariæ* H. Amst. Vol. 2. p. 89. Tab. 45. *Conyza Æthiopica* flore bullato aureo, *Pinastris* brevioribus folijs letè viridibus. *Pluk.* Tab. 327. Fig. 2. *Alm. Bot.* 56 & 400. *Elichrysum African.* folijs & flore *Abrotani* viridis *Bobart*. *Elichrysum African.* multiflorum tenuifolium frutescens. *Flor. Norib.* 148. Fig. This grows about a Yard high, and spreads into many Branches; thick set, with long narrow Leaves; at the top grow single yellow naked Flowers about September, which turn into downey Seed. Its perennial and Evergreen.

Stoll's Cape Silk-Maudlin. *Eupatorium Indicum* flore albo *Aët. Med. Hafn.* Vol. 2. pag. 57. Fig. *Conyza Africana* humilis, folijs angustioribus nervosis, floribus umbellatis I. R. *Herb.* 455. Mr. *Jeremy Stoll*, a Surgeon, first brought this with several other dried Specimens, A. D. 1673. from the Cape of Good Hope, given him by Dr. *Herman*, which *Tho. Bartholine*, that Curious Physician and Anatomist, has given the Figure of, in his *Acta Medica Hafnienfis*. Its an ever-green Shrub, with deep dented Leaves, and has been a long standard in *Chelsey* Garden, where it Flowers and Seeds yearly about *Christmas*. Mr. *Cunningham* brought me the first Specimen of this near 20 Years since, in his return from the Cape of Good Hope.

- 71 *Hermans* round-leaved Cape Tree Cranes-bill. Ray 1897. *Geranium Africanum* arborescens, *Ibisci* folio rotundo, *Carlinae* odore Hort. Bosian. & Lugd. Batav. 275. Fig & descr. The Leaves are round, stiff, hairy and lightly crenated; the Flowers fresh coloured, the two upper Petala streak'd with red, and larger than the 3 below. Dr. Paul Herman, that celebrated Professor in Botany and Physick, has used these Leaves in Glysters, against the Cholick, Stone, and difficulty of Urine, with good success.
- 72 *Hermans* Curl-leaved Cape Tree Cranes-bill. Ray 189. *Geranium Africanum* frutescens, *Malvæ* folio laciniato, odorato Hort. Lugd. Bat. 278. Fig. *Geranium Malvæ* folio odoratum, flore purpurascente Cap. Bonæ Spej Breyn. Prodr. p. 36. *Geranium Africanum Malvæ* folio, odore rad. *Cyper*i longi Hort. Bosian. This differs from the last, in having curled or crumpled Leaves, with 6 or 7 smaller Flowers growing together from one bottom.
- 73 Cape Cranes-bill, with Leaves like Ladies-mantle. Ray 1897. *Geranium Africanum Alchimillæ* hirsuto folio, floribus albidis Hort. Lugd. Batav. 283. Fig. *Geranium Africanum Alchimillæ* folio maculoso & piloso, floribus ochroleucis rostris cernuis Hort. Bosian. Its Leaves hairy and round, somewhat cut in, with a blackish Circle in the middle; the Flowers pale, small, and 5, 6 or more in an umbel-like tuft.
- 74 Cape Cranes-bill with Columbine Leaves. Ray 1897. *Geranium Africanum* noctu olens tuberosum & nodosum *Aquilegiæ* folijs Hort. Bosian. & Lugd. Batav. 285. Fig. *Geranium Æthiopicum* noctu olens, rad. tuberosâ, *Aquilegiæ* folijs Breyn. Cent. 127. From a knotty Fibrose Root, rises knobby Stalks a foot or higher, with divided Columbine Leaves; at the top grow tufts of yellowish, and sometimes blush Flowers; which after Sun set smell very sweet till next Morning, as many others of this kind do. We are highly obliged to that Curious Botanist Dr. Herman,

Herman, for the Discovery of all these beautiful *Cranesbills*, which of late Years have been the greatest Ornaments in our finest Gardens, viz. at *Hampton Court, Kensington, Fulham, Oxford, Chelsea, Hoxton, Enfield, Mitcham, &c.*

Great Cape Honey-Flower. Ray 1898. pl. 3. seu vlt. 75
Melianthus Africanus Hort. Lugd. Batav. 415. Fig. & descr. *Melianthus Africanus* major fætida, floribus atropurpureis Alm. Bot. 246. *Pimpinella* spicata maxima *Africana* Barthol. Aët. Med. Hafn. V. 2. p. 58. *Pimpinella Afric.* maxima flore purpureo *D. ten Rhyne* Breyn. Cent. 179. This is a very specious tall and slightly Plant; its *Leaves* very like *Burnet*, but much larger, and of a very pale or blewish Green; at the top grows a Spike of sad red *Flowers*, in which lies a very luscious Honey Dew, much coveted by the *Hottentots* at the *Cape of Good Hope*, where it grows wild in wet Marshy Places.

Small Cape Honey-Flower. Ray 3. Dendr. p. 120. pl. 3. 76
Melianthus minor Hort. nost. sic. Ray 3. App. 246. M. 14. *Melianthus Africanus* minor fætibus *Comel* Pl. rar. Icon. 4. *Melianthus Afric.* minor fætida, floribus obsoleti coloris Alm. Botan. 246. *Melianthus Americanus* minor El. Bot. 342. I. R. H. 431. *Melianthus Hyssyquanensis* minor fætibus *Herm.* Prodr. app. Grows 3 or 4 foot high, with smaller *Leaves*, green and deeper cut; its *Flowers* of a Saffron colour, with yellow apices.

Cape Spindle with a shining notch'd Leaf. Ray 3. app. 229. 77
 xi. *Euonymus Capensis* folio *Arbuti* lucido *Nobis.* *Alaternus Hyssicanensis* seu *Africana* Lauri ferratæ odoratæ *Stapelianæ* folijs Hort. Beaum. p. 3. Pluk. Tab. 126 Fig. 1. *Alaternoides Afric.* Lauri ferratæ folio *Comel.* Rar. Pl. Vol. 1. Fig. xi. *Ricinus Africanus* Salicis folio, flore viridi *Cod. Witfiani.* From a thick stringy matted Root this rises 3 or 4 foot high, with thick shining notch'd *Leaves*, very green above; its *Flowers* 5 leaved, of a whitish or pale Green. At the *Cape* it grows 7 foot high, in watery Grounds and by River sides, flowering in *October.*

Cape

- 78 Cape *Spindle-wort* with *Rosemary* Leaves. Ray 3. p. 527.
 6. *Tetragonocarpos Africana* fruticans, folijs longis & angustis *H. Amst.* Vol. 2. p. 205. Fig. 103. It rises about a foot high, each Root dividing into divers *Stalks*, with long thick green *Leaves* not unlike *Rosemary*; at the top grow several yellowish *Flowers* of 4 or 5 petals each. The *Fruit* square and winged: It *Flowers* about *Michaelmas* in *Fulham* and *Chelsey* Gardens.

SECT. VI. AMERICAN Plants.

- 79 Dwarf *American Starwort*, with *Savory* Leaves. *Aster pumilus Americanus* *Satureiæ* folijs. This grows not above a Yard high; from one *Stem* it branches towards the top into a bushy tuft of pale blew *Flowers*, the lower *Leaves* are long and narrow, and those about the *Flowers* very small and slender. It stands out all the Winter, *flowering* in *October*.

- 80 *Parkinson's* small floured white *Virginia Starwort*. *Aster Virginianus* angustifolius serotinus, parvo albente flore *Park.* 132. 19. & 1676. Fig. *Aster vulgo Tradescanti* Schol. Botan. 204. 3. *Aster Virginianus* fruticosus *Jonst.* 489. 12. This agrees pretty well with *Parkinson's* Description and Figure; its *Leaves* below are long *Willow-like*, and scarce dented; those at the setting on of the Flower *Stalks* are much less, and those on the *Twigs* very small. From the bosom of these little *Leaves*, the *Flowers* grow *spicated* in a loose tuft, of a pale blewish white, each composed of 8 or 10 small *Daisy-like* *Petals*, these, if nicely viewed, ending bifid. It *Flowers* in *November*, and sometimes till near *Christmas*, being one of the latest *Starworts* that *Flowers* in our Gardens.

- 81 Orach-leaved *Virginia Silver-tufs*. Ray 1799. 14. *Conyza Virginiana Halimi* folio *Instit. Rei Herbar.* 455. *Argyrocome Virginiana Atriplicis* folio *Gazoph. Natur. & Artis.* Tab. 7. Fig. 4. See its other *Synonyms* in the Catalogue

to that Volume, pag. 8. Its thick *Orach-like* jagged *Leaves* and woody *Stalks*, distinguish it from all others of this kind. It hath been a long Inhabitant in *Chelsey Garden*; as also at *Fulham, Hampton Court, Enfield, Mitcham, &c.*

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Virginia *Uvedale* with a Vine Leaf. Ray 3. p. 216. 84. *Uvedalia Virginiana Platani folio molli* Mus. Petiver 800. *Chrysanthemum angulosum Platani folijs, Virginianum* Pluk. Tab. 83. Fig. 3. *Chrysanthemum perenne majus, Platani Orient. folio* Bobart. H. Ox. p. 22. Fig. 57. Sect. 6. Tab. 7. Fig. opt. *Chrysanthemum folio Platani* Pluknet. Boerhave Ind. Plant. H. Leyd. 33. *Doronicum maximum Americanum, latissimis angulosum folijs, rad. transparentis* Hort. Leyd. 222. This is a specious Plant and of a particular Genus or Family; it comes nearest the *Sun-Flowers*, but with this difference, viz. its Berry-like Seeds grow round the rim of the Flowers, as the others do in the middle. I have therefore chose to distinguish it by the Epithet above, in commemoration of that Patron of Botany, Dr. *Uvedale*, in whose Garden I have seen two others of this kind from the *Cape of Good Hope*.

83

American *Tree of Life*. Ray 1408. cap. 6. *Arbor Vitæ* Clus. 36. Fig. id. Hisp. 95. Fig. Dod. 858. Fig. Ger. 1187. Fig. Jonst. 1369. Fig. Park. 1478. Fig. Tabern. Vol. 2. p. 649. Fig. id. Icon. 947. 1. *Arbor Vitæ* five *Paradisiaca*. Chabr. 73. Ic. 1. *Arbor Vitæ* five *Paradisiaca vulgo dicta, odorata, ad Sabinam accedens* I. B. l. 9. p. 286. Fig. *Thuja* Theophrasti C. B. 488. This is a singular *Evergreen*, very frequent in divers Gardens, *flowering* in *April* and *May*, bearing its *Cones* in *August* and *September*. It was first brought into *France* from *Canada* in the Reign of *Francis* the First. *Clusius* says, he first saw it at *Fontainebleau*, and from his Figure all other Authors have copied it. *Parkinson* asserts, that the *Leaves* taken fasting for a few Days together are very good in a purulent Cough and shortness of Breath. I have heard it has been successful

full in *Agues* used Poultrise-wise, or by wearing it in the Shoes.

- 84 *Virginia Sumach* by some *Buckthorn*. Ray 1591. 2. *Rhus Virginianum* C. B. pin. app. 517. *Sumach* seu *Rhus Virginiana* Park. 1450. Fig. 2. This grows in divers *Country Gardens* about *London* to a midling Tree; it differs from the *European Sumach*, in having longer and narrower *Leaves*; the first Branches are very soft and velvety, like the *Horns* of a young *Deer*, for which reason its call'd *Buckthorn* by the *Country People*. The *Root* or *Stalks* broken yields a *Milk*, which smells *Resinose*, and becomes a hard *Gum*, which is a great *Astringent* and Cures the *Tooth-ach*, as Mr. *John Smart*, a *Surgeon*, who liv'd in those *Parts* informs me. The *Pulp* of the *Fruit* and its outer *Skin*, which is very red, have both a very grateful acidity, of which Mr. *John Banister*, a very *Curious Naturalist*, and one who long resided in *Virginia*, says, they make *Vinegar* of it there, and use it to season their *Meat*.

- 85 Great *Virginia Cockspur Haw*. Ray 1795. 60. *Mespilus Apij folio, Virginiana, spinis horrida, fructu amplo coccineo* Pluk. Tab. 46. Fig. 4. *Mespilus Apij folio, Indica* Schol. Bot. 289. *Mespilus spinosa* seu *Oxyacantha maxima Virginiana* H. Leyd. 423. *Oxyacantha officulis binis fructu magno inclusis* Banist. Cat. Plant. Virgin. an *Oxyacantha Americana*, or the *American Hawthorn*. Mus. Regal. Societ. 182. The *Leaves* of this Tree are as large, and not unlike our *Sorbus Torminalis*, or *wild Service*, and the *Fruit* as big but *Scarlet*; its Branches are guarded with strong *Thorns* resembling a *Cocks-spur*. It Fruits yearly in *Chelsey Garden*, where it has been a long *Standard*, and is now as large as a *Cherry-tree*.

- 86 *Carolina Poyson Root. Castaneæ Equinæ facie, Arbor Caroliniana, flore galeato spicato Nobis. Arbor pentaphyllos Virginiana, floribus spicatis monopetalis.* Ray 1800. 2. *Saamouna Pisonis* seu *Siliquifera Brasiliensis, arbor digitatis*

tatis folijs serratis, floribus *Teucrij* purpureis *Pluk.* Tab. 56. Fig. 4. Under this Title Dr. *Plukenet* has given it a very good *Figure*, yet I cannot believe it to be the *Saamouna Brasiliensium*, since this is not a Siliquose Tree, neither hath it a thorney swelled Trunk. I shall be more particular in the Description of all its Parts, when I give you (as I intend) the *Figure* of it, with its *Fruit*. I have seen this both with Mr. *Darby* and Mr. *Fairechild*, Gardiners at *Hoxton*, with whom it has *flowered* and set for *Fruit*.

Canada Fox-glove Climber. Ray 1768. 1. *Bignonia* Amer. *Fraxini* folio, fl. amplo phæniceo L. R. H. 133. *Clematis Contarini*. *Clematis* Amer. *Fraxini* folio scandens, flore phæniceo *Breyn.* Prodr. 2. p. 34. *Clematis* Hederacea *Bucananthos* filiquosa *Indica* Alm. Bot. 108. *Clematis* Hederacea *Indica* *Jasmini folijs* H. Leyd. 159. *Clematis* Hederaceo folio *Sorbi*, floribus *Calathi* instar oblongis, coloris dilute punicei *Hort. Bosan.* *Gelsemium* Ederaceum *Indicum* Cornuti 103. Fig. *Gelsemium* *Indicum maximum* Ferrar. 199. *Jasminum* purpureum prælongis filiquis H. Blas. 103. *Jasminum* spurium *Indicum*, flore magno rubro *Flor. Noriberg.* 227. *Pseudo-Apocynum* Virginianum alijs *Gelsemium Americ. maximum*, flore phæniceo. *Park.* 385. 6 & 1679. Fig. *Pseudo-Gelsemium* filiquosum *Rivini* *Flor. monopet. irregular.* It would be needless here after the quotation of so many Authors, to give its Description; it may suffice to let you know, that its long hollow Orange Flowers with Ash-like Leaves, but deeper jagged, distinguish it from others of this Family. I take the two Mexican *Tecomaxochit's Recchi*, p. 408. & 409. to be of this Species, but neither of them this very Plant, altho' the last is somewhat like it, and Dr. *Plukenet* makes it the same. We have an old Tree of this of near 30 Years standing, in *Chelsey Garden*, which of late has annually flowered with us. The Mother Plant of this, and the first in *England*, Mr. *Kilbank* has

formerly shewed me in the Lord *Roberts* his Garden against the *Ferry*, to whom both he and his *Father* were *Gardeners*.

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Virginia Plane-tree. Ray 1707. *Platanus Occidentalis* aut *Virginensis*. Park. 1427. *Platanus Occidentalis* pilulis minoribus *Herm. H. Leyd.* 499. *Platanus Novi Orbis* folijs *Vespertilionum* alas referentibus, globulis parvis *Alm. Bot.* 300. This differs from the *Oriental Plane* in having its *Leaves* hoary and less jagged, with *Fruit* smaller and not so rough. Mr. *John Tradescant* first brought this into *England* from *Virginia*, a little before the Year 1640. since which time it has been much increased, and makes a very Ornamental shady Tree, interspers'd between *Horse-Chestnuts* and *Limes*, to whose Magnitude it commonly grows.

III. *A Relation of an Hydropical Case, in which the Gall Bladder was distended to an unusual bigness. By Mr James Yonge, F. R. S. Surgeon at Plimouth.*

MRS. *Dyer* was about 30 Years old, a Mother of several Children, and very healthful till last *January*; when, after frequent watching upon an extraordinary occasion, she was vexed with a Pain in her Belly, like the Cholick, but proved the Dropsy *Ascites*; and grew so fast in despite of all I could do to help it, that *March* the 9th, being almost suffocated, I was forc'd to tapp her by an hollow Needle in the usual Place, and to repeat the Operation so often as she filled: And by that way discharged the several Quantities of Water, at the times here under mentioned.

Pints.